

Converting Colors

XYZ(32.6113, 47.4282, 21.8651)

Have a look what the booklet for
XYZ(32.6113, 47.4282, 21.8651)
contains.

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Color

**XYZ(32.7002, 47.5445,
21.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	81C96D
RGB	129, 201, 109
RGB Percent	51%, 79%, 43%
CMY	0.4941, 0.2117, 0.5725
CMYK	0.36, 0.00, 0.46, 0.21
HSL	107°, 46%, 61%
HSV	107°, 46%, 79%
XYZ	32.7002, 47.5445, 21.9215
YIQ	168.9840, -13.3800, -43.8760

Conversions

Conversions Part 2

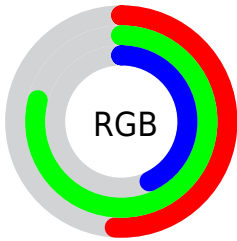
Format	Color
RYB	109, 201, 181
Decimal	8505709
CIELab	74.54, -39.89, 38.88
CIELCh	75, 55.702, 135.736
Yxy	47.5445, 0.3201, 0.4654
Android (android.graphics.Color)	4286695789 (0xFF81C96D)
YUV	168.9840, -29.5721, -35.0660
Hunter-Lab	68.9525, -36.0147, 29.4172

Details

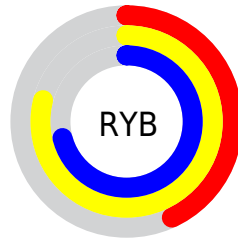
The XYZ color **32.7002, 47.5445, 21.9215** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **35.0695, 24.9795, 58.2340**, and the grayscale version is **37.8516, 39.8228, 43.3671**.

A 20% lighter version of the original color is **62.2892, 84.4429, 47.1985**, and **13.9700, 22.3694, 7.7191** is the 20% darker color. If you saturate the color by 10%, you get **29.5314, 46.0234, 16.7566**, and if you desaturate by 10%, it is **36.4867, 49.3583, 28.4088**.

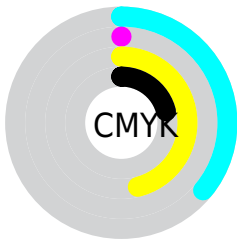
Distribution



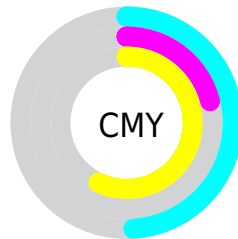
- Red (51%)
- Green (79%)
- Blue (43%)



- Red (43%)
- Yellow (79%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (46%)
- Black (21%)



- Cyan (49%)
- Magenta (21%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7002, 47.5445, 21.9215 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.7002, 47.5445, 21.9215 by changing the saturation by 10% instead.

■ 32.7002, 47.5445,
21.9215

■ 32.7002, 47.5445,
21.9215

305.9856,
376.9838, 275.0762

■ 22.0550, 33.4663,
13.6015

■ 63.2650, 86.5258,
47.5167

■ 14.0142, 22.4839,
7.7084

■ 83.9153, 112.1977,
65.6290

■ 8.2123, 14.2129,
3.8239

■ 108.6314,
142.5030, 87.8425

■ 4.2840, 8.2689,
1.5292

■ 137.7786,
177.8261, 114.5757

■ 1.8640, 4.2675,
0.2396

171.7223,
218.5513, 146.2471

■ 0.5558, 1.8243,
0.0000

210.8277,

■ 0.0000, 0.5022,

265.0630, 183.2753

0.0000

255.4604,
317.7457, 226.0788

■ 0.0000, 0.0000,
0.0000

■ 32.7002, 47.5445,
21.9215

■ 32.7002, 47.5445,
21.9215

■ 29.5314, 46.0234,
16.7566

■ 36.4867, 49.3583,
28.4088

■ 26.9429, 44.7734,
12.8201

■ 40.9186, 51.4730,
36.2976

■ 24.8986, 43.7796,
10.0108


■ 46.0260, 53.9039,
45.6644


■ 23.3563, 43.0228,
8.2099


■ 51.8362, 56.6636,
56.5795


■ 22.2666, 42.4807,
7.2701


■ 58.3748, 59.7639,
69.1085

 21.9131, 42.3038,
7.0105

 65.6662, 63.2159,
83.3132

 73.7336, 67.0303,
99.2524

 80.1226, 70.2269,
103.9400

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.1421, 47.5445, 14.6496



32.7002, 47.5445, 21.9215



28.9102, 47.5445, 39.2786

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.7002, 47.5445, 21.9215



40.5875, 47.5445, 126.1950



66.4912, 47.5445, 38.1455

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.7002, 47.5445, 21.9215



35.0695, 24.9795, 58.2340

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.6578, 47.5445, 66.6582



32.7002, 47.5445, 21.9215



50.6434, 47.5445, 125.5286

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.7002, 47.5445, 21.9215



32.9844, 47.5445, 102.4611



60.5121, 47.5445, 100.8820



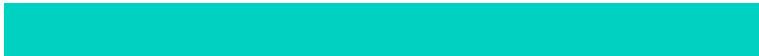
60.0859, 47.5445, 21.3586

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.7002, 47.5445, 21.9215



28.5408, 47.5445, 57.5067



60.5121, 47.5445, 100.8820



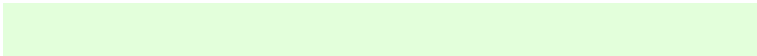
67.3073, 47.5445, 46.4241

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.7014, 47.5465, 21.9225



80.2832, 92.9909, 80.9428



43.0769, 45.9781, 21.0730



16.7439, 19.6947, 16.5070



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.7014, 47.5465, 21.9225



50.5588, 78.7932, 28.6882



31.4654, 46.7349, 29.7474



10.7095, 11.9972, 11.3140



13.8421, 26.6311, 4.4108



0.7190, 1.2937, 0.2118

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.0695, 24.9795, 58.2340



55.0524, 35.3541, 98.5302



37.4405, 26.5091, 44.4621



10.8488, 10.6958, 13.4102



15.4897, 7.2195, 35.3215



0.7911, 0.3716, 1.6752

Previews

White Background



This preview shows how the XYZ color 32.7002, 47.5445, 21.9215 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.7002, 47.5445, 21.9215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7002, 47.5445, 21.9215

Background



This preview shows how black text looks on a background with the XYZ color 32.7002, 47.5445, 21.9215.



This preview shows how white text looks on a background with the XYZ color 32.7002, 47.5445,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.7002, 47.5445, 21.9215

Protanopia

43.1512, 47.1056, 19.3884

Deuteranopia

47.7458, 46.7256, 22.7221



Tritanopia

41.2870, 47.3457, 64.7202

Trichromacy



Original Color

32.7002, 47.5445, 21.9215



Protanomaly

38.4188, 46.8455, 20.3818



Deuteranomaly

40.6146, 46.0380, 22.3684



Tritanomaly

37.3627, 47.0613, 45.1447

Monochromacy



Original Color

32.7002, 47.5445, 21.9215



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.1168, 42.0244, 33.8644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7002, 47.5445, 21.9215 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 201, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 201, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 109) }
```

Border

The CSS property to change the border of an element to XYZ 32.7002, 47.5445, 21.9215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 201, 109) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(129, 201, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(129, 201, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7002, 47.5445, 21.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
201, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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